ALIGNING DATA STREAMS
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ABSTRACT

5   The invention aligns two wide-bandwidth, high resolution
data streams, in a manner that retains the full bandwidth of
the data streams, by using magnitude-only spectrograms as
inputs into the cross-correlation and sampling the cross-
correlation at a coarse sampling rate that is the final
10 alignment quantization period. The invention also enables
selection of stable and distinctive audio segments for cross-
correlation by evaluating the energy in local audio segments
and the variance in energy among nearby audio segments.